

# Barrier Biax Film Lines

## Multi-Bubble Biax Film Production Solutions



### Key Features:

- Versatile extrusion technology can produce films with a variety of barrier resins (PVDC)
- Controllable film shrink properties
- Three-bubble system available with annealing to target specific properties needed
- Stable process that allows for long production runs without bubble breaks

### Why Macro?

- Ideal for high performance multilayer barrier films for food packaging applications such as shrink bags, lidding films and casings.
- The lines are configured to achieve the optimal orientation and shrinkage balance
- Macro's water calibration system is simple to use and ensures that the primary tube is precisely controlled; it allows for adjustments to be made without stopping the line
- System made with water-based orientation method to tailor performance based on materials and shrinkage requirements
- Each model is equipped with a gauge randomizing unit prior to winding to ensure high-quality roll production. Final roll creation is performed by Macro's Automax-S surface winder, which features programmable tension tapering and fully automatic cutovers.

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<b>Model</b>	<p>Three-Bubble with annealing</p>
<b>No. of Layers</b>	7
<b>Materials</b>	PVdC
<b>Film Thickness</b>	40-90 μm
<b>Layflat Width</b>	200 – 500 mm
<b>Output Capacity</b>	50 – 150 kg/h
<b>Production Speed</b>	Up to 100 m/min
<b>Orientation Method</b>	Water Heated
<b>Annealing Method</b>	Infrared Heaters



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